

CIC #: 99EPA SUPERFUND

Billed Date: 01-Dec-2010

Customer Order Number DW96957731

DIAMOND HEAD OU1 329881 BZ801

EPA 640

**VOUCHER FOR TRANSFERS
BETWEEN APPROPRIATIONS AND/OR FUNDS (AR 37-1)**

Mission Assignment No:

D.O. Voucher No.BU. Voucher No.Bill No.Paid By Check No.Collection Vou. No.

27051271

Partial # 13 01-Nov-2010 Thru 01-Dec-2010

Billed Office (Mail To):

U S ENVIRONMENTAL PROTECTION AGENCY
ACCOUNTING OPERATIONS OFFICE
26 W MARTIN LUTHER KING DRIVE
CINCINNATI OH 45268-7002

Billing Office (Send Remittance To):

USACE FINANCE CENTER G5
KANSAS CITY DISTRICT G5
5720 INTEGRITY DRIVE

MILLINGTON TN 38054-5005

Billed Accounting Classification

68 NA X 8145.0000 2010 00 0000 012731 0000 00000

Billing Accounting Classification

\$5,091.41 96 NA X 3122.0000 G5 08 2416 868 012731 96231

\$5,091.41

Line Item	Moa	Description	Eaid No	Amount
1	INHOUSE - OTHER RESOURCES	SUPERFUND M&S		\$499.70
1	INHOUSE - LABOR	DEPARTMENTAL OVERHEAD COSTS		\$1,395.68
1	INHOUSE - LABOR	GENERAL AND ADMINISTRATIVE OVERHEAD COSTS		\$404.76
1	INHOUSE - LABOR	LABOR		\$2,791.27
Subtotal:				\$5,091.41

CORPS CERTIFICATION

"I CERTIFY THAT THE ABOVE ARTICLES WERE DELIVERED AND OR THE SERVICES PERFORMED AS STATED AND THAT THE PAYMENT REQUESTED IS CORRECT TO THE BEST OF MY KNOWLEDGE, AND SHOULD BE PAID AND CHARGED TO THE APPROPRIATION(S) OR FUNDS AS INDICATED."

14 Jan 11 *Elizabeth A. Buckrocker*
DATE SIGNATURE
Elizabeth A. Buckrocker
Project Manager

Total Billed Amount:	\$5,091.41
Less Partial Amount Paid:	\$0.00
Payment Due Date: 31-Dec-2010	Pay This Amount: \$5,091.41

Funds Authorized:	\$174,000.00
Total Billed Amount:	\$72,983.75
Prev Billed Amount:	\$67,892.34
Current Billed Amount	\$5,091.41
Total Flux Billed:	\$0.00
Prev Flux Billed:	\$0.00
Current Flux Billed:	\$0.00

CERTIFICATE OF OFFICE BILLED

I certify that the above articles were received and accepted or the services performed as stated and should be charged to the appropriation(s) and/or fund(s) as indicated above, or that the advance payment requested is approved and should be paid as indicated.

Date:

Authorized Administrative or Certifying Officer

PROGRESS REPORT

KANSAS CITY DISTRICT
DIAMOND HEAD OIL REFINERY, NJ

IA Number: DW96957731

MONTHLY REPORT FOR NOVEMBER 2010

	Revised Reimbursable (96X3122)	Direct Fund Cite	IA Totals (96X3122)
STATEMENT OF CHARGES FOR PERIOD:			
Total Funds Authorized:	\$174,000.00	\$1,046,000.00	\$1,220,000.00
Less Total Expenditures: (-)	\$72,983.75	\$139,013.61	\$211,997.36
Less Undelivered Orders: (-)	\$0.00	\$906,986.39	\$906,986.39
Less Commitments: (-)	\$28,391.78	\$0.00	\$28,391.78
Funds Available Balance:	\$72,624.47	\$0.00	\$72,624.47

BILLING ACTIVITY (96X3122):	
Bill Number: 27051271	
Funds Expended During Report Period:	\$5,091.41
Total Billed to Date:	\$72,983.75
DIRECT FUND CITE PAYMENTS:	
Funds Expended During Report Period:	\$31,101.41
Total Expended to Date:	\$139,013.61

PROGRESS REPORT

KANSAS CITY DISTRICT
DIAMOND HEAD OIL REFINERY, NJ

LA Number: DW96957731

Bill Number: 27051271

Bill Invoice Date: 01-DEC-2010

Monthly Billing Amount (96X3122): \$5,091.41

Monthly Direct Fund Cite Contract Cost (68X8145): \$31,101.41

Budget Categories	Costs for Current Month	Prior Month's Summary	Project Costs to Date
a Personnel	\$1,800.83	\$22,390.87	\$24,191.70
b Fringe Benefits	\$990.44	\$11,830.89	\$12,821.33
c Travel	\$0.00	\$9,654.16	\$9,654.16
d Equipment	\$0.00	\$0.00	\$0.00
e Supplies	\$0.00	\$0.00	\$0.00
f Procurement	\$0.00	\$0.00	\$0.00
g Construction	\$0.00	\$0.00	\$0.00
h Other	\$499.70	\$2,427.28	\$2,926.98
i Total Direct Charges	\$3,290.97	\$46,303.20	\$49,594.17
j Total Indirect Charges	\$1,800.44	\$21,589.14	\$23,389.58
k TOTAL	\$5,091.41	\$67,892.34	\$72,983.75

LABOR BREAKOUT FOR MONTH:

Individual	Location	Function	Hours	Labor Amount
SHELLY M ALLEN	KANSAS CITY DISTRICT	PROGRAM ANALYST	5.00	\$462.40
ELIZABETH BUCKRUCKER	KANSAS CITY DISTRICT	HTRW PROJECT MANAGER	8.00	\$1,012.98
GREGORY NE HATTAN	KANSAS CITY DISTRICT	GEOLOGIST	21.75	\$1,889.45

KANSAS CITY DISTRICT
DIAMOND HEAD OIL REFINERY, NJ

PROGRESS REPORT

LABOR BREAKOUT FOR MONTH:

<u>Individual</u>	<u>Location</u>	<u>Function</u>	<u>Hours</u>	<u>Labor Amount</u>
DAVID M EVANS	KANSAS CITY DISTRICT	CHEMIST	4.00	\$381.14
JULIA K KISSER	KANSAS CITY DISTRICT	SUPV. GEOLOGIST	2.00	\$267.67
BONNIE B LOWE	KANSAS CITY DISTRICT	CONTRACT SPECIALIST	2.25	\$226.94
ROBERT M PENDER, JR	KANSAS CITY DISTRICT	HTRW PROJECT MANAGER	2.00	\$259.96
JANICE M QUILTY	KANSAS CITY DISTRICT	CONTRACT SPECIALIST	1.00	\$91.17
TOTAL LABOR:			46.00	\$4,591.71

PROGRESS REPORT

KANSAS CITY DISTRICT
DIAMOND HEAD OIL REFINERY, NJ

IA Number: DW96957731AA

MONTHLY REPORT FOR NOVEMBER 2010

	Revised Reimbursable (96X3122)	Direct Fund Cite	IA Totals (96X3122)
STATEMENT OF CHARGES FOR PERIOD:			
Total Funds Authorized:	\$174,000.00	\$1,046,000.00	\$1,220,000.00
Less Total Expenditures: (-)	\$72,983.75	\$139,013.61	\$211,997.36
Less Undelivered Orders: (-)	\$0.00	\$906,986.39	\$906,986.39
Less Commitments: (-)	\$28,391.78	\$0.00	\$28,391.78
Funds Available Balance:	\$72,624.47	\$0.00	\$72,624.47

BILLING ACTIVITY (96X3122):

Bill Number: 27051272

Funds Expended During Report Period: \$5,091.41
Total Billed to Date: \$72,983.75

DIRECT FUND CITE PAYMENTS:

Funds Expended During Report Period: \$31,101.41
Total Expended to Date: \$139,013.61

PROGRESS REPORT

KANSAS CITY DISTRICT
DIAMOND HEAD OIL REFINERY, NJ

JA Number: DW96957731AA

Bill Number: 27051272

Bill Invoice Date: 01-DEC-2010

Monthly Billing Amount (96X3122): \$5,091.41

Monthly Direct Fund Cite Contract Cost (68X8145): \$31,101.41

Budget Categories	Costs for Current Month	Prior Month's Summary	Project Costs to Date
a Personnel	\$0.00	\$0.00	\$0.00
b Fringe Benefits	\$0.00	\$0.00	\$0.00
c Travel	\$0.00	\$0.00	\$0.00
d Equipment	\$0.00	\$0.00	\$0.00
e Supplies	\$0.00	\$0.00	\$0.00
f Procurement	\$0.00	\$0.00	\$0.00
g Construction	\$0.00	\$0.00	\$0.00
h Other	\$0.00	\$0.00	\$0.00
i Total Direct Charges	\$0.00	\$0.00	\$0.00
j Total Indirect Charges	\$0.00	\$0.00	\$0.00
k TOTAL	\$0.00	\$0.00	\$0.00
TOTAL LABOR:		0.00	\$0.00

Progress Report for EPA Region II

Site:	Diamond Head Oil Refinery, NJ Remedial Design Operable Unit 1		Phase:	Remedial Design – OU1	
Bill No.:	27051271; Partial #13	IAG No.:	DW96957731/BZ801 IAG Award Date: 12/02/09	IAG Expiration Date:	Other Corps P2: 329881/FWI: G0C947
Reporting Period:	From: November 1, 2010	To: December 1, 2010	EPA RPM Grisell Diaz-Cotto	USACE PM Elizabeth Buckrucker	

Work Performed	
<i>This Period</i>	<ul style="list-style-type: none"> Task Order 0004 Invoices. On 12 Nov 10, reviewed and approved Invoice 7, totaling \$31,101.41, for period 28 Aug – 24 Sep 10. Funding. No funding was received during the reporting period. Pre-Design Investigation (PDI). <ul style="list-style-type: none"> From 1-9 Nov 10, several internal discussions were held among the team regarding the TPH speciation analysis. CH2 provided draft text with these recommendations which was reviewed and comments provided to CH2. On 10 Nov 10, provided concurrence for the speciation analysis and approved the first phase bench scale testing to begin. Phase 1 Bench Scale results will determine if Phase 2 is to be conducted. On 16 Nov 10, discussed the items for inclusion into a memorandum summarizing the changes and recommendations. Also discussed the schedule update and changes necessary. On 17 Nov 10, received CH2 memorandum <i>Recommendations on Path Forward for Bench Scale Testing</i>. During the bench scale study, monthly calls will be held to report progress and measurements. On 1 Dec 10, conference call held with G. Diaz-Cotto and J. Hess to discuss the upcoming work and change in logic for sequencing of future tasks. Key change is decision to wait until bench scale results are received prior to initiating work on the PDI planning documents. This will result in a schedule delay; however, it is preferable to have this information to ensure the proper PDI tasks are conducted. Schedule. <ul style="list-style-type: none"> On 22 Nov 10, received revised schedule with 2-phase bench scale strategy reflected. On 26 Nov 10, reviewed and provided comment on the schedule logic and tasks. Discussed with J. Hess and received feedback on 29 Nov 10. On 30 Nov 10, received revised schedule for backcheck and forwarded on to G. Diaz-Cotto. Contract Task Order 0004. On 2 Nov 10, Modification 2 was awarded for \$650,000. Contract Task Order 0004; WVN3. <ul style="list-style-type: none"> On 17 Nov 10, received draft cost proposal regarding the bench scale recommended changes. On 26 Nov 10, reviewed and provided comments to CH2 on draft WVN3. Anticipate final WVN3 approval next reporting period. Preparation of Progress Report and Project Expenditures spreadsheet.

Progress Report for EPA Region II

<i>Key Meetings This Period</i>	<ul style="list-style-type: none"> Conference calls held are noted (if held) in progress portions of this report.
<i>Key Contract Milestones Completed to Date</i>	<ul style="list-style-type: none"> 2 Dec 2009; New IA funding received totaling \$300,000 10 Feb 2010; Base Task Order 0002 awarded, totaling \$255,000. 6 Apr 2010, IA Amendment #1 funding received totaling \$170,000; for total IA value of \$470,000. 13 Aug 2010, Task Order 0002, Modification 1 was awarded for \$141,000. 29 Sep 2010; IA Amendment #2 funding received totaling \$750,000; for total IA value of \$1,220,000. 2 Nov 2010; Task Order 0002; Modification 2 was awarded for \$650,000

<i>Contractor Actions/ Accomplishments</i>	<ul style="list-style-type: none"> Management tasks included communication and invoicing. Also, a draft WVN was submitted to document the additional field efforts and additional sampling efforts. The schedule was updated and submitted. Analyzed and recommended additional bench scale testing and sampling to determine the effectiveness of the biocell technology. The additional analysis includes tests to reduce pH, analysis for TPH speciation and additional cleanup of the samples. Recommendations documented in memorandum and analysis began. Completed setup and started the bench scale columns, collecting Time 0 measurements. Details of the CH2 work during this period are contained in the CH2M Hill Progress Report Number 9 for November 2010.
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Projected Work, Meetings Milestones through next FY.	
<i>Narrative</i>	<ul style="list-style-type: none"> Work planned/completed during FY10/FY11 includes: <ul style="list-style-type: none"> Pre-Design Investigation LNAPL Sampling (occurred 27 Sep 10 – 1 Oct 10) Phase 1 Bench Scale Study (began 12 November 2010) Phase 1 Bench Scale report/Phase 2 Bench Scale determination Pre-Design Field Investigation
<i>Meetings</i>	<ul style="list-style-type: none"> TBD; no specific meetings set
<i>Key Milestones Forthcoming</i>	<ul style="list-style-type: none"> 5 May 2010 –Final Data Needs Technical Memorandum submitted (complete) 31 Aug 2010 –Final Pre-Design Investigation Work Plan submitted (complete) The below dates are based on 30 Nov 2010 schedule update and presume no Phase 2 Bench Scale will be conducted: <ul style="list-style-type: none"> 28 Feb 11: Receive Phase 1 Bench Scale lab results 15 Mar 11: Submit Draft Phase 1 Bench Scale test results 29 Apr 11: Pre-Design fieldwork planning documents (QAPP, SMP, CQCP) submitted 27 May 11: Pre-Design fieldwork begins 15 Feb 12: Draft Pre-Design fieldwork TM submitted

Progress Report for EPA Region II

Issues	
Technical:	<ul style="list-style-type: none"> Phase I Bench Scale testing has included more analysis: <ul style="list-style-type: none"> Addition of silica gel cleanup (to clarify portion of O&G associated with petroleum hydrocarbons). Addition of TPH speciation analysis (via NJDEP method and MA VPH method) The pH of soil was higher than anticipated and attempts to lower the pH were conducted prior to start of bench scale, however, the Time 0 measurements still reflect high pH values (~11-12). This issue will require additional analysis and resolution in the future.
Schedule:	<ul style="list-style-type: none"> The schedule now reflects a delay in all activities based on: <ul style="list-style-type: none"> Six week delay in the start of the bench scale. The original schedule presumed the bench scale would begin immediately upon receipt of samples, however, the field effort required additional days and the complications of preparing and initiating the study required much more coordination than anticipated. Decision to perform bench scale in phases with an analysis of the first phase results to determine if second phase is required. Decision to hold preparation of PDI work plans until the bench scale study is concluded (either first or second phase). These work plans were to be prepared concurrently with the bench scale; however, completion of the bench scale will now determine start of work plan preparation.
Funding:	<ul style="list-style-type: none"> Likely impacts to funding but these are not fully defined. The additional sampling for the first phase of bench scale testing was included in WVN3.

IAG Summary						
Amendment Funding				Cumulative Funding		
USACE	Direct Fund Cite	Amend #	Date	USACE	Direct Fund Cite	Total IAG
\$45,000	\$255,000	Initial	12/2/09	-	-	\$300,000
\$29,000	\$141,000	1	4/6/10	\$74,000	\$396,000	\$470,000
\$100,000	\$650,000	2	9/29/10	\$174,000	\$1,046,000	\$1,220,000

Expenditures: USACE and Direct Fund Cite				
Summary of Funds Spent Per Activity & Funding Remaining				
Description	Funds for Activity	Funds Disbursed this Month	Funds Disbursed to Date	Funds Not Disbursed
Contract - CH2M Hill W912DQ-08-D-0016; Task Order 0004 - awarded 10 Feb 10	\$255,000.00	\$31,101.41	\$139,013.61	\$115,986.39
Contract - CH2M Hill W912DQ-08-D-0016; Task Order 0004/Mod 1 - awarded 13 Aug 10	\$141,000.00	\$0.00	\$0.00	\$141,000.00
Contract - CH2M Hill W912DQ-08-D-0016; Task Order 0004/Mod 2 - awarded 2 Nov 10	\$650,000.00	\$0.00	\$0.00	\$650,000.00
Subtotal - Summary of DFC Contract Dollars	\$1,046,000.00	\$31,101.41	\$139,013.61	\$906,986.39
Kansas City Corps In-House Labor/Travel	\$156,900.00	\$4,591.71	\$70,056.77	\$86,843.23
Superfund M&S Fee	\$17,100.00	\$499.70	\$2,926.98	\$14,173.02
Subtotal - Labor/M&S	\$174,000.00	\$5,091.41	\$72,983.75	\$101,906.25
Grand Total - Contract/Corps	\$1,220,000.00	\$36,192.82	\$211,997.36	\$1,008,002.64

IAG Project Description (block 12 of IA)

Base IA: USACE Kansas City District (DOD964126) to perform Remedial Design activities for Operable Unit 1 at the Diamond Head Oil Superfund Site (EPA Site D#NJD092226000).

Project Delivery Team

<i>Name</i>	<i>Contact Information</i>	<i>Responsibility</i>
Beth Buckrucker	(816) 389-3581 Cell: (816) 695-5797	Project Manager
Greg Hattan	(816) 389-3579	Project Geologist
Dave Evans	(816) 389-3857	Project Chemist
Jason L'Ecuier	(816) 389-3908	Project Process Engineer
Bonnie Lowe	(816) 389-3803	Contract Specialist
Trudy Shannon	(816) 389-3822	Contracting Officer
Scott Young	(816) 389-3589	Contracting Officer Representative

Prepared by:
Elizabeth Buckrucker
Project Manager
14 January 2010